

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ki Il KIM

Group Art Unit: 2618

Appl. No.: 10/773,606

Examiner: Tuan A. TRAN

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Docket No. PK107441

For: MOBILE COMMUNICATION AND STETHOSCOPE SYSTEM

**AMENDMENT UNDER 37 CFR 1.115 AND
STATEMENT OF SUBSTANCE OF INTERVIEW**

Commissioner for Patents
MS Amendment
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Prior to examination on the merits in the above-identified application, Applicant submits the following amendments and remarks.

This Preliminary Amendment is being filed prior to issuance of a first Action on the merits, and is therefore timely. Applicant respectfully submits that no fees are required for entry and consideration of this Amendment. However, if any fees are necessary for pendency of this application or entry of this Amendment, the Commissioner is authorized to charge any deficiency in fees to H&A Deposit Account No. 50-2929, referencing Docket No. PK107441.

Amendments to the Specification:

Please amend paragraph [0001] as follows:

[0001] This is a Continuation-In-Part of Application Serial No. 10/719,363[[,]] filed November 20, 2003, now U.S. Patent No. 7,321,783, which [[was]] is a Continuation of application Serial No. 09/531,356[[,]] filed March 20, 2000, now U.S. Patent No. 6,681,120, which [[was]] is a Continuation-In-Part of application Serial No. 08/846,108[[,]] filed April 25, 1997, now U.S. Patent No. 6,278,884, the disclosures of all of which are incorporated [[in]] into this Application in full by this reference.

Please amend paragraph [0012] as follows:

[0012] FIG. 6 is a perspective view of the communication device with the stethoscope connected through a headset; ~~and~~

Please amend paragraph [0013] as follows:

[0013] FIG. 7 is a perspective view similar to FIG. 6 but illustrating an alternative embodiment; and

[0013.1] Fig. 8 is a sectional view of the device taken along line 6-6 in Fig. 3.

Please amend paragraph [0016] as follows:

[0016] The entertainment and communication device 100 of the present invention preferably is provided with a socket 120 for receiving a replaceable memory card 200. The opening for the socket 120 may be provided on the side of the device 100, as shown at 120A, or at one end of the device 100, as shown at 120B, or both. The memory card 200 is provided with electrical contacts 201 (see FIG. 2) which are adapted to engage corresponding electrical contacts (not shown) in the socket 120, which contacts in turn are connected to the microprocessor 112 for communication between the replaceable memory card 200 and the microprocessor 112. The memory card 200 may be a prerecorded card or a flash (blank) card suitable for recording data from the microprocessor 112. By appropriately operating the cellphone to connect to or access the Internet and then

operating the memory card control buttons 202, data from the Internet may be recorded on the replaceable memory card 200, such as musical performances, images (still or moving), written text or the like (hereinafter referred to as "data"). In addition to the audio data, the musical performance data from the Internet may include images of the performers or the like, and/or the words of the musical performance. Other audio and visual data also may be downloaded from the Internet to memory card 200. Subsequent to the recordation of the musical performance or other data on the replaceable memory card 200, or upon the positioning of a prerecorded memory card 200 in a socket 120, the memory card control buttons 202 may be manipulated to reproduce the musical performance or other data with the sound being broadcast by the speaker 125 or to earphones 311 (~~not shown~~) or headset 132 (FIG. 6) connected to the headset jack 121 or transmitted to wireless earphones 312 (~~not shown~~). The device 100 also includes controls, such as on dialing pad 101 or separately, for controlling the music volume, balance, selection (skip), equalization and the like. The images and/or words included in the recording on a memory card 200 will be displayed on the display panel 104.

Please amend paragraph [0018] as follows:

[0018] Referring more particularly to FIGS. ~~3 and 4~~ 3, 4 and 8, a latching device, generally designated 150, is shown for retaining the replaceable memory card 200 in the socket 120A and for facilitating the removal of the memory card 200 from the socket 120A. The latching device 150 includes a lever 152 pivotally connected at 154 to the back of the housing of the device 100, with a tab 156 extending along the side of the device and over a portion of the socket 120A in the closed position. A pin 158 extends inwardly from the lever 152 and engages a hole 204 in the memory card 200. When the latching device 150 is pivoted to the open position shown in dashed lines in FIG. 4, the memory card 200 may be readily removed from socket 120A by placing a finger on the portion of the card 200 exposed by opening the latching device 150, or by engaging the hole 204 with a finger nail or a pointed implement, such as a pencil or pen. Further, the pin 158 and hole can be sized and relatively positioned such that the pin 158 urges the card 200 outwardly upon opening the latching device. Still further, the socket 120A/120B may be provided with a spring 128 for urging the card 200 outwardly as soon as the card is unlatched. Of course, either the tab 156 or pin 158 may be omitted ~~since~~ because the other (pin 158' or tab 156', respectively) will retain the card

200 in the socket 120A/120B. The latching device 150 may be of a width to only cover a portion of the socket 120A, as shown, or of a width to cover the entire socket (not shown).

Please amend paragraph [0021] as follows:

[0021] The device 100 is also provided with a computer jack 124 connected to the microprocessor for selectively connecting the device 100 directly to a computer 314, radio, television 313 or CD, DVD, VCR, tape or phonograph record player (not shown) by a hard wire (~~not shown~~) 124A for downloading and uploading (where appropriate) to and from the replaceable memory card 200 or fixed memory 116 in the device 100.

Amendments to the Claims:

Please cancel claims 157, 158 and 170, and amend claims 79, 80, 84, 88, 91-97, 100, 114, 119, 120, 121, 131, 134, 136-138, 149, 156, 160 and 169 as follows (all claims and their status identifies are reproduced below):

1-78. (Canceled)

79. (Currently Amended) A portable mobile communication and information apparatus in a housing of handheld size and weight, the apparatus comprising:

a cellphone in the housing for being handheld by a person and adapted for placing and receiving person to person telephone calls to and from remotely located telephones, the cellphone having a microphone, a display, a speaker, a camera, and a memory, [[all]] wherein the microphone, the display, the speaker, the camera and the memory are operatively connected to a microprocessor in the cellphone[.,]; and

a jack connectable to at least one of a television or a computer for reproducing stored sounds, still images, moving images and combined sounds and moving images from the memory,

~~wherein the cellphone is operatively connected with the camera and the memory for storing and transmitting~~ stores and transmits images, and

wherein the cellphone is ~~adapted for transmitting~~ configured to (a) transmit the stored moving images from the memory or ~~transmitting~~ (b) transmit captured images from the camera to a preselected remote telephone number.

80. (Currently Amended) The apparatus of claim 79, wherein the cellphone is further adapted for selectively and wirelessly connecting to the Internet for ~~[[up]]~~ uploading and downloading moving images and combined sound and moving images.

81. (Previously Presented) The apparatus of claim 79 further comprising a sensor in the cellphone housing capable of detecting any one or a combination of a sound, motion, and images, wherein the sensor is adapted to cause the cell phone to dial a preselected number upon detecting any one or a combination of the sound, motion, and images.

82. (Previously Presented) The apparatus of claim 80 further comprising a speaker adapted for use as a speakerphone.

83. (Previously Presented) The apparatus of claim 79, wherein the memory comprises a replaceable memory card having at least one engagement feature.

84. (Currently Amended) The apparatus of claim 83 further comprising a socket ~~for receiving~~ configured to receive and eject the replaceable memory card longitudinally to and from the socket and remove the card without external control to the socket, the socket comprising an engagement element and a spring, wherein the engagement element mates with the engagement feature of the replaceable memory card and secures the replaceable memory card in the socket and wherein the spring urges the removal of the replaceable memory card from the socket upon releasing the engagement element from the engagement feature.

85. (Previously Presented) The apparatus of claim 84 wherein the socket and replaceable memory card are provided with matching non-symmetrical shapes, grooves, ridges, or a combination thereof to facilitate the correct positioning of the replaceable memory card in the socket.

86. (Previously Presented) The apparatus of claim 83, wherein the replaceable memory card contains prerecorded data.

87. (Previously Presented) The apparatus of claim 86, wherein the prerecorded data comprises any one or more selected from the group consisting of:

real-time sounds, music, still images, moving images, textual data, GPS location information, and combined sounds and moving images.

88. (Currently Amended) The apparatus of claim 79 further comprising any one or more of[[:]] a video recorder, and a GPS for receiving location information.

89. (Currently Amended) The apparatus of claim 79, wherein the camera is capable of capturing still and moving images, the display being adapted for displaying any one or more of[[:]] still images, moving images, and images combined with sound through the speaker, and the cellphone is configured to record sounds to the memory during a telephone conversation with the remotely located telephone.

90. (Previously Presented) The apparatus of claim 88 further comprising a switch adapted for controlling selective capture of any one or a combination of sounds, images and combined sounds and images.

91. (Currently Amended) The apparatus of claim 79 further comprising a radio, wherein sounds and music from the radio ~~[[is]]~~ are transmitted to at least one of a remote wired earphone or the speaker.

92. (Currently Amended) The apparatus of claim 79, the apparatus being adapted for muting and interrupting the reproducing ~~of sound~~ data from the Internet and the memory through at least one of (1) display and speaker;

(2) a television; or

(3) a computer;

said data comprising one of images or sounds.

93. (Currently Amended) The apparatus of claim 79 further comprising:
an electronic stethoscope connectable to the memory, the apparatus adapted for recording data received from the stethoscope to the memory and for wirelessly transmitting the data from the electronic stethoscope to one of, the Internet or ~~[[to]]~~ a remotely located telephone, wherein the electronic stethoscope includes at least one microphone;

a jack connectable to the stethoscope; and

a medical testing device, one of, (a) recording medical data to the memory in the cellphone; or (b) transmitting medical data through the cellphone to one of, the remotely located telephone or to the Internet.

94. (Currently Amended) The apparatus of claim 79, the apparatus being adapted for downloading or transmitting data, including wired or wireless transmission, to at least an external device.

95. (Currently Amended) The apparatus of claim 79, wherein the ~~cell-phone~~ cellphone is a satellite telephone adapted to connect wirelessly to the Internet and to remotely located telephones, said satellite telephone having the camera and a GPS configured to record and reproduce one or more of still images, real time moving images, combined sounds and moving images, and GPS location information with or without images to and from the memory.

96. (Currently Amended) The apparatus of claim 79 further comprising a sensor in the cellphone housing capable of detecting any one or a combination of sound, motion, and images, wherein the sensor is further adapted to detect any one or more of~~[[:]]~~ low ambient light, light, acceleration, deceleration, smoke, and poisonous gas.

97. (Currently Amended) The apparatus of claim 94, wherein the apparatus is adapted for uploading data from the memory ~~[[and]]~~ to the Internet or to the external device, and for downloading data from the Internet or from the external device to the memory.

98. (Previously Presented) The apparatus of claim 79 further comprising a microprocessor, wherein the microphone is operatively connected to the microprocessor and the memory for recording real-time sounds or music.

99. (Canceled)

100. (Currently Amended) A portable mobile entertainment and information apparatus in a housing of handheld size and weight, the apparatus comprising:

a satellite phone in the housing adapted for being handheld by a person and adapted for placing and receiving person to person telephone calls to and from remotely located telephones and selectively and wirelessly connected to the Internet, the satellite phone having a microphone, a display, a speaker, a camera, and a memory, wherein the satellite phone is capable of sending or receiving still and moving images to and ~~receiving still and moving images~~ from the remotely located telephone or Internet when the Internet or remotely located telephone is connected and storing images to the memory from the Internet or the remotely located telephone.

101. (Previously Presented) The apparatus of claim 100, wherein the satellite phone is adapted for selectively and wirelessly connecting to the Internet and for communicating with remotely located telephones and exchanging data including moving images.

102. (Previously Presented) The apparatus of claim 101 further comprising a speaker adapted for use as a speakerphone.

103. (Previously Presented) The apparatus of claim 100, wherein the memory comprises a replaceable memory card having at least one engagement feature.

104. (Previously Presented) The apparatus of claim 103 further comprising a socket for receiving the replaceable memory card, the socket comprising an engagement element and a spring, wherein the engagement element mates with the engagement feature of the replaceable memory card and secures the replaceable memory card in the socket and wherein the spring urges the removal of the replaceable memory card from the socket upon releasing the engagement element from the engagement feature.

105. (Previously Presented) The apparatus of claim 104 wherein the socket and replaceable memory card are provided with matching non-symmetrical shapes, grooves, ridges, or a combination thereof to facilitate the correct positioning of the replaceable memory card in the socket.

106. (Previously Presented) The apparatus of claim 103, wherein the replaceable memory card contains prerecorded data.

107. (Previously Presented) The apparatus of claim 106, wherein the prerecorded data comprises any one or more selected from the group consisting of:

real-time sounds, music, still images, moving images, textual data, GPS location information, and combined sounds and moving images.

108. (Previously Presented) The apparatus of claim 100 further comprising any one or more of a video recorder or a GPS for receiving location information.

109. (Previously Presented) The apparatus of claim 108, wherein the display reproduces any one or more of still images, moving images, combined sounds and moving images, or GPS location information.

110. (Cancelled)

111. (Previously Presented) The apparatus of claim 100 further comprising a radio, the apparatus adapted for interrupting wherein the sounds and music from the radio is transmitted to at least one of the remote wired earphone, and the speaker and for interrupting the playing of sounds, music or combined sounds and images from the memory or the Internet when receiving a telephone call.

112. (Currently Amended) The apparatus of claim 100, the apparatus adapted for muting and interrupting ~~reproducing~~ reproduction of sound and music from the memory.

113. (Previously Presented) The apparatus of claim 100 further comprising an electronic stethoscope connectable to the first or second jacks, the apparatus adapted for recording data received from the stethoscope to the memory, and the apparatus adapted for wirelessly transmitting the data from the electronic stethoscope to the Internet or to a remotely located telephone, wherein the electronic stethoscope includes at least one microphone.

114. (Currently Amended) The apparatus of claim 101, the apparatus being adapted for downloading or transmitting data, including wired or wireless transmission, to an external device.

115. (Cancelled)

116. (Currently Amended) The apparatus of claim 100, further comprising a sensor in the satellite phone housing capable of detecting each one or a combination of a sound, motion, and ~~images~~ an image, wherein the sensor is further adapted to detect each one or more of[:]] low ambient light, light, acceleration, deceleration, smoke, and poisonous gas.

117. (Previously Presented) The apparatus of claim 114, wherein the apparatus is adapted for uploading data to and downloading data from the Internet or the external device.

118. (Previously Presented) The apparatus of claim 100 further comprising a microprocessor, wherein the microphone is operatively connected to the microprocessor and the memory for recording real-time sounds or music.

119. (Currently Amended) The apparatus of claim 100, the apparatus being adapted for remote activation for the microphone or the camera.

120. (Currently Amended) A portable information and communication apparatus in a housing, comprising:

a cellphone in the housing including a microphone, a camera and a GPS unit capable of generating data, the cell phone adapted for wirelessly connecting with a communication network and including a preselected address for transmitting the generated data;

a memory[[;]], wherein the cellphone is ~~adapted for~~ adapted for recording generated data to the memory and adapted for transmitting generated data to the preselected address when activated by preselected external stimuli received by the cellphone; and

a sensor in the housing being adapted to activate the microphone or the camera.

121. (Currently Amended) The apparatus of claim 120, the communication network being one of [[the]] Internet, a cellular network or a satellite network.

122. (Previously Presented) The apparatus of claim 121, the cellphone further including a mode with no ring tone for receiving a call and being responsive to a command to transmit the generated data to the preselected address.

123-126. (Canceled)

127. (Previously Presented) The apparatus of claim 120, the cellphone further including a display for displaying at least one of still images, moving images, combined sounds and moving images, or GPS location information.

128-130. (Canceled)

131. (Currently Amended) The apparatus of claim 120, further comprising a jack, and an electronic stethoscope connectable to the jack, the apparatus adapted for recording data received from the stethoscope to the memory, and for wirelessly transmitting the data from the electronic stethoscope to the communication network, wherein the electronic stethoscope includes at least one microphone.

132-133. (Canceled)

134. (Currently Amended) The apparatus of claim 120, the cell phone detecting any one or more external stimuli selected from the group consisting of~~[[:]]~~ low ambient light, motion, sound, light, image, acceleration, deceleration, smoke, and poisonous gas.

135. (Canceled)

136. (Currently Amended) The apparatus of claim ~~[[137]]~~ 120, ~~the remote activation wirelessly connecting with the cellphone through the communication network~~ wherein the cellphone is further adapted for remote activation of one of, the microphone or the camera.

137. (Currently Amended) The apparatus of claim ~~[[120]]~~ 136, ~~the cellphone further adapted for remote activation for the microphone or the camera~~ wherein the remote activation is by way of wirelessly connecting with the cellphone through the communication network.

138. (Currently amended) An apparatus in a housing for an electronic device, the apparatus comprising:

a small replaceable flash memory card, the flash memory card having at least one engagement feature without an elastic member or movable element, ~~the flash memory card not being a pre-paid phone card, ATM card, SIM card or network connecting card;~~

a socket in the housing for the flash memory card, the flash memory card being directly received in the socket without a separate card case or a separate card carrier;

an internal engagement element in the socket selectively engageable with the at least one engagement feature of the card for retaining the card fully within the socket;

a spring disposed internally in the socket facilitating the removal of the card from the socket by spring power automatically upon release of the internal engagement element in the socket from the at least one engagement feature of the flash memory card;

the flash memory card and the socket being asymmetrically shaped for preventing incorrect insertion of the card in the socket;

the flash memory card being operatively connected to the electronic device for storing data when fully positioned in the socket.

139-143. (Canceled)

144. (Previously Presented) The apparatus of claim 138, the engagement feature of the memory card being at least one hole for engagement in the socket.

145-148. (Canceled)

149. (Currently Amended) A mobile entertainment, information and communication apparatus comprising:

one of, a cellphone or satellite phone having a portable housing of size and weight for being handheld by a person, a microphone, a display, a speaker, a microprocessor, a memory, and at least one of a camera, a GPS or a jack, the cellphone or satellite phone adapted for placing and receiving person to person telephone calls to and from remotely located telephones and selectively connecting the Internet wirelessly, the microprocessor selectively storing at least one of sounds, still or moving images, combined sounds and moving images or GPS location information to the memory from at least one of the microphone, GPS, camera or Internet;

the one of, cellphone or satellite phone being adapted for selectively transmitting stored sounds, still or moving images, combined sounds and real time moving images or GPS location information with or without images to at least one of the Internet, remotely located telephone or separate computer from the memory, the microprocessor operatively connected to the memory; and

the display and speaker being adapted for reproducing stored sounds and images from the memory or from the Internet when the Internet is connected wirelessly.

150-155. (Canceled)

156. (Currently Amended) A portable information and communication apparatus in a housing, comprising:

a cellphone in the housing including a microprocessor, a memory comprising a built-in memory and a replaceable memory card, a socket receiving the memory card, a display, a microphone, a GPS, a sensor for capturing external stimuli, and a camera;

wherein the microprocessor is operatively connected to the memory and is adapted to selectively control the capture of data, storage of the data to the memory, and transmission of data;

wherein the cellphone is adapted for storing sound, moving images and combined sound and moving images to the memory and for reproducing the sound, moving images and combined sound and moving images from the memory to at least one of a computer or a television;

wherein the data includes any one or more selected from the group consisting of real time sounds, still images, moving images, music, music with images, combined sounds and moving images, combined sounds with images and text, and GPS location information; and

wherein the microprocessor is activated by preselected external stimuli received by the sensor to transmit the data by the cellphone.

157-158. (Canceled)

159. (Previously Presented) A portable mobile entertainment and information apparatus in a housing of palm handheld size and weight, the apparatus comprising:

a device in the housing adapted for wireless connection to the Internet and for uploading and downloading of data between the Internet and an internal memory;

the data comprising at least one of music with or without images, moving images, sounds, combined sounds and moving images or GPS location information;

a microprocessor adapted to control the storing, reproducing, uploading and downloading of data, wherein the microprocessor is operatively connected to a display;

at least one button operatively connected to the microprocessor and adapted to control at least one of starting the playing, equalizing sounds, skipping data or balancing sounds, and of said reproducing data from the internal memory or the Internet;

a remote earphone for reproducing data from the internal memory or the Internet;

a jack provided for connecting the apparatus to a separate device for transferring data to and from the internal memory, wherein the microprocessor is operatively connected to the internal memory and the jack; and

a sensor in the housing adapted for detecting any one or a combination of: low ambient light, acceleration or deceleration.

160. (Currently Amended) The apparatus of claim 159, wherein the memory comprises a replaceable memory card having at least one engagement feature, and a socket for receiving the memory card, the socket having a spring and an engagement element in the socket for securing the memory card in the socket or removing the memory card from the socket.

161. (Previously Presented) The apparatus of claim 159, wherein the device comprises a cellphone adapted for selectively and wirelessly connecting to the Internet and for communicating with remotely located telephones.

162. (Previously Presented) The apparatus of claim 79, the apparatus recording audio data received from a microphone to the memory, wherein the audio data is any one or more selected from the group consisting of real-time sounds and music.

163. (Previously Presented) The apparatus of claim 79, wherein the microphone is selected from the group consisting of: a built-in microphone and a remote-wired microphone.

164. (Previously Presented) The apparatus of claim 79, wherein the memory is a built-in memory.

165. (Previously Presented) The apparatus of claim 100, wherein the images are still images.

166. (Previously Presented) The apparatus of claim 100, wherein the images are real-time moving images.

167. (Previously Presented) The apparatus of claim 100, wherein the microphone is a built-in microphone.

168. (Previously Presented) The apparatus of claim 100, wherein the microphone is a remote-wired microphone.

169. (Currently Amended) The apparatus of claim 100, wherein the satellite phone is adapted to operatively connect the memory to an external device, and wherein the external device is selected from the group consisting of[:]] a computer and a television.

170. (Canceled)

Amendments to the Drawings:

Please replace the three sheets of drawings with the attached replacement sheets.

Sheet 1/3 of the drawings includes FIGS. 1-4 and 8. Applicant has added earphone 311, a wireless earphone 312, television 313, a computer 314, reference numbers 120B and 200, and cross section 6-6 in FIG. 3.

Additionally, Applicant has added FIG. 8 to illustrate the socket 120B having a spring 128 and an engagement element such as a pin 158' or a tab 156'. Support for these amendments can be found in original paragraph [0018] of the present application. Particularly, the paragraph discloses that “[s]till further, the socket 120A may be provided with a spring for urging the card 200 outwardly as soon as the card is unlatched. Of course either the tab 156 or pin 158 may be omitted since the other (pin or tab, respectively) will retain the card 200 in the socket 120A.” Thus, no new matter has been added by these amendments to the drawings.

Replacement sheets 1-3 of drawings are included, although no changes were made to sheets 2/3 and 3/3. Additionally, a sheet of annotated drawings is included showing changes that were made on sheet 1.

Remarks

Preliminary Amendment

The specification has been amended to change the first sentence of the specification to update the status of the parent application. Additionally, the specification was amended to include a brief description of newly added Fig. 8.

Upon entry of this Preliminary Amendment, claims 157, 158 and 170 have been cancelled from the present application without prejudice or disclaimer, and claims 79-98, 100-109, 111-114, 116-122, 127, 131, 134, 136-138, 144, 149, 156 and 159-169 are presently pending in this application. Claims 79, 80, 84, 88, 91-97, 100, 114, 119, 120, 121, 131, 134, 136-138, 149, 156, 160 and 169 have been amended herein for editorial purposes, or to correct typographical or grammatical inaccuracies. Support for the additional limitations can be found, for example in paragraph [0016], and throughout the specification and the drawings as filed.

Claim 93 has been amended to incorporate additional limitations, *i.e.*, “a medical testing device,” support for which can be found, for example, in paragraphs [0025] and [0026], and throughout the specification and the drawings as filed. More particularly, paragraph [0025] discloses that “other medical sensing devices may be provided for plugging into the microphone 136 or directly into the headset jack 121 for providing information concerning the user’s condition to a remotely located doctor.”

The drawings have been amended to illustrate claimed features such as a spring located in the socket, a television, a computer, and wired or wireless earphones, which were not shown in the original drawings. Support for the changes in the drawings can be found in paragraphs [0016], [0018] and [0021] of the specification, and throughout the application as filed.

Thus, by these amendments, no new matter has been added.

Applicant respectfully reserves all rights to file subsequent related applications (including reissue applications) directed to any/all of the previously-claimed limitations/features which were cancelled without prejudice or disclaimer herein, or which have not yet been claimed, *i.e.*, Applicant continues (indefinitely) to maintain no intention of surrendering any limitations/features of the subject matter of the present application. Applicant also respectfully informs the Office that additional claims may be presented prior to initial examination on the merits.

Statement of Substance of Interview

Applicant respectfully thanks the Examiner for the courtesies extended during the personal Interview conducted March 24, 2009 between Examiner Tuan A. Tran, Abraham HersHKovitz and Jae Youn Kim. During the Interview, the prior art was discussed, particularly Hashimoto, Tendler, Broady and Cheng, and Applicant respectfully pointed out the specific limitations claimed in the present application which are not taught or disclosed by any prior art, alone or in combination.

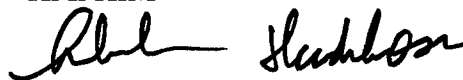
Conclusion

Applicant respectfully submits that, upon entry of this Preliminary Amendment, the present application is in condition for allowance, and a Notice to that effect is courteously solicited.

No additional claim or extension fees are required for complete entry of this Preliminary Amendment.

The Examiner is invited to contact the undersigned at the below-listed numbers with any questions.

Respectfully submitted,
Ki Il KIM



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Date: May 4, 2009

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